

International Application No
PCT/IB2004/001842

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 388 398 B1 (LI QIONG ET AL) 14 May 2002 (2002-05-14) the whole document <div style="text-align: center;">----- -/--</div>	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

*T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

*Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

*& document member of the same patent family

Date of the actual completion of the international search

10 September 2004

Date of mailing of the international search report

22/09/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

GONZALEZ GUTIERREZ

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GUAN-CHYUN HSIEH ET AL: "Asymmetrical group-pulse-width-modulated technique for eliminating striation in the dimmable fluorescent lamps" IECON'01. PROCEEDINGS OF THE 27TH. ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY. DENVER, CO, NOV. 29 - DEC. 2, 2001, ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 3. CONF. 27, 29 November 2001 (2001-11-29), pages 1090-1095, XP010572930 ISBN: 0-7803-7108-9 the whole document</p>	1-15
A	<p>RAISER F: "Dim the lights. Problems with lamp current control using a PWM signal" IEEE INDUSTRY APPLICATIONS MAGAZINE IEEE USA, vol. 8, no. 6, December 2002 (2002-12), pages 54-59, XP002295469 ISSN: 1077-2618 the whole document</p>	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB2004/001842

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6388398	B1	14-05-2002	EP	1374649 A1	02-01-2004
			WO	02076154 A1	26-09-2002
			JP	2004521463 T	15-07-2004
<hr/>					